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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,918	12/22/2003	James E. Sadeck	NA-1240	8409

7590 12/20/2004
U.S. Army Soldier Systems Center
Kansas Street
Natick, MA 01760

EXAMINER

THOMSON, MICHELLE R

ART UNIT	PAPER NUMBER
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3641

DATE MAILED: 12/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/748,918

Applicant(s)

SADECK, JAMES E.

Examiner

Michelle (Shelley) Thomson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4,5,14,16 and 23 is/are rejected.
- 7) ☒ Claim(s) 2,3,6-13,15,17-22 and 24-27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 December 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>12/22/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 70 and 72. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4, 5, 16 and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Gordon et al. (US Patent # 4,567,831). Gordon et al. discloses a projectile launch assembly and a method for using it comprising a rifle grenade assembly and a bullet trap comprising a launch tube, having a dimple (reference 70) a receiver, an energy absorbing plug, and an energy transfer piston (Figure 2) the bullet fired from the firearm muzzle is absorbed by the plug which is moved with the piston in the tube and the tube engages the

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receiver to propel the assembly and the projectile from the firearm muzzle. The launch tube is cylindrically shaped elongated tube. The dimple structure extends radially inwardly and stabilization fins fixed to the launch tube.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gordon et al. as applied to claim 1 above, and further in view of Chabot et al. (US Patent # 4,060,117). Although Gordon et al. does not expressly disclose the launch tube adapted to receive a muzzle comprising a barrel and a flash suppressor, Chabot et al. does. Chabot et al. teaches a grenade launcher for attaching to the muzzle end of a barrel comprising a flash suppressor. Gordon et al. and Chabot et al. are analogous art because they are from the same field of endeavor: projectile launchers. Therefor, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the locking device as taught by Chabot et al. with the launcher as taught by Gordon et al. The suggestion/motivation for doing so would have been to obtain a launcher that could have been attached to firearms having flash suppressors since it is well known for firearms to have suppressors.

Allowable Subject Matter

6. Claims 2, 3, 6-13, 15, 17-22 and 24-27 are objected to as being dependent upon a rejected base claim, but would possibly be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

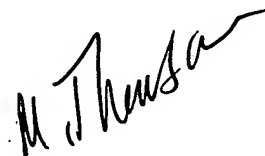
7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Jennings et al. (US Patent # 3,726,036), Nelson et al. (US Patent # 4,505,179), Ambrosi et al. (US Patent # 4,793,259), Kotikov (US Patent # 3,243,909), and Tauber et al. (US Patent # 6,408,7650).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michelle (Shelley) Thomson whose telephone number is 703.306.4176. The examiner can normally be reached on Monday thru Thursday 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 703.306.4198. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mrt

A handwritten signature in black ink, appearing to read "M. Thomson", is written diagonally across the bottom right of the page.